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(54) TRANSFORMER

(57) Abstract:

PURPOSE: To provide a transformer having a small capacitance between its primary and secondary windings by connecting the end sections of the primary and secondary windings to the pins of a bobbin and connecting the pins to a mounting substrate together with pins formed on a shield body.

CONSTITUTION: A shield body 17 is fixed by putting the notched section 18 of the body 17 in the spool section 12 of a bobbin 11. When the shield body 17 is fixed, the section 12 is divided into a primary and secondary winding areas and pins 19 formed at part of the body 17 are protruded from the bottom of the bobbin 11 similarly to pins 13 provided on the bottom surface of the bobbin 11. The end section of each winding is wound around and connected to one of the pins 13 assigned to the winding. The title transformer is constituted by putting a core 16 on the bobbin 11 after winding the winding around each area of the spool section 12 and firmly sticking the core 16 to the bobbin 11 by means of a fixing member or molding material. The

transformer thus constituted is mounted on a substrate by inserting the pins 13 and 19 into through holes of the substrate.

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